

CHEMTECH INDUSTRIES INC -- CAUSTIC SODA,ANHYDROUS (1/4" FLAKE) -- 6810-00-174-6581

===== Product Identification =====

Product ID:CAUSTIC SODA,ANHYDROUS (1/4" FLAKE)

MSDS Date:02/05/1990

FSC:6810

NIIN:00-174-6581

MSDS Number: BDFQB

=== Responsible Party ===

Company Name:CHEMTECH INDUSTRIES INC

Address:9909 CLAYTON RD

City:ST LOUIS

State:MO

ZIP:63124

Country:US

Info Phone Num:314-966-9900

Emergency Phone Num:314-966-9900

CAGE:56894

=== Contractor Identification

===

Company Name:CHEMTECH INDUSTRIES INC MANUFACTURED PRODUCTS DIV

Address:1655 DES PERES RD

Box:31000

City:ST. LOUIS

State:MO

ZIP:63131-1821

Country:US

Phone:314-966-9934

CAGE:56894

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: > 96%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

===== Hazards Id

entification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 100-200 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-INHALATION:DUST IS VERY

IRRITATING TO THE UPPER RESPIRATORY TRACT.PROLONGED EXPOSURE MAY CAUSE BURNS.EYES/SKIN:CAUSES SEVERE BURNS.INGESTION:HARMFUL/FATAL IF SWALLOWED.CAUSES SEVERE BURNS,SEVERE PAIN,VOMITING,DIARRHEA & SHOCK.CHRONIC-MAY CAUSE

BLISTERS/DERMATITIS.

Effects of Overexposure:INHALING DUST IS VERY IRRITATING TO THE UPPER

RESPIRATORY TRACT. PROLONGED EXPOSURE MAY CAUSE BURNS. PRODUCT CAUSES SEVERE BURNS TO EYES & SKIN. HARMFUL OR FATAL IF SWALLOWED. CAUSES SEVERE BURNS, SEV ERE PAIN, VOMITING, DIARRHEA AND SHOCK.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

===== First Aid Measures =====

First Aid:GET IMMEDIA

TE MEDICAL ATTENTION.EYE:IMMEDIATELY FLUSH WITH

WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP & WATER.INHALATION:REMOVE TO FRESH AIR.TREAT

SYMPTOMATICALLY.INGESTION:DO NOT I NDUCE VOMITING.IF

CONSCIOUS,DRINK ONE GLASS OF MILK/WATER.CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. USE WATER WITH CAUTION A

ND IN FLOODING AMOUNT. REACTS WITH WATER.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS OR A NIOSH-APPROVED DUST RESPIRATOR.

Unusual Fire/Explosion Hazard:REACTION WITH METAL GENERATES FLAMMABLE HYDROGEN GAS. CONTACT WITH MOISTURE/WATER MAY GENERATE SUFFICIENT HEAT TO IGNITE NEARBY COMBUSTIBLE MATERIALS.

===== Accidental Release Measures =====

Spill Release Procedures:IF POWDER, S

WEEP UP AND TRANSFER TO PROPER
CONTAINER FOR DISPOSAL. AVOID BREATHING THE DUST. IF LIQUID,
NEUTRALIZE WITH WEAK ACID. AVOID FROTHING. FLUSH TO SEWER WITH
LARGE AMOUNT OF WATER.
Neutralizing Agent:DILUTE ACID

===== Handling and Storage =====

Handling and Storage Precautions:STORAGE-KEEP CONTAINER TIGHTLY CLOSED
AWAY FROM MOISTURE & ACIDS.
Other Precautions:USE D.O.T. "CORROSIVE" LABEL IN ADDITION TO COMMODITY
LABEL. MATERIAL IS CORROSIVE T
O EYES, SKIN AND MUCOUS MEMBRANES.
AVOID CONTACT IN ALL FORMS. AVOID BREATHING THE DUST. CONSIDERABLE
HEAT IS GENERA TED WHEN IT IS DISSOLVED IN WATER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:A NIOSH-APPROVED DUST RESPIRATOR SHOULD BE WORN
IF NEEDED. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED
TO ASSURE COMPLIANCE WITH OSHA STANDARD 29CFR 1910.134.
Ventilation:GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT.
Protectiv
e Gloves:RUBBER OR PLASTIC
Eye Protection:SAFETY GLASSES WITH SIDE SHIELD
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, RUBBER
BOOTS AND APRONS
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING, DRINKING OR SMOKING.
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:B1
Boiling Pt:B.P. Text:2534F,1390C
Melt/Freeze Pt:M.P/F.P Text:604F,318C
Spec Gravity:2.13
Solubility in Water:APPRECIABLE
Appearanc
e and Odor:WHITE SOLID, GRANULAR OR FLAKES, PRACTICALLY
ODORLESS.
Percent Volatiles by Volume:NONE

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
ALUMINUM, TIN, LEAD, ZINC AND THEIR ALLOYS, ALL ACIDS. DISSOLVES IN
WATER RELEASING HEAT.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:AQUEOUS SOLUTIONS MAY LIBERATE
HYDROGEN UPON REACTION WITH METALS LISTED ABOVE.

===== Disposal Conside

rationals =====

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT
TO FEDERAL, STATE OR LOCAL REGULATIONS.

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